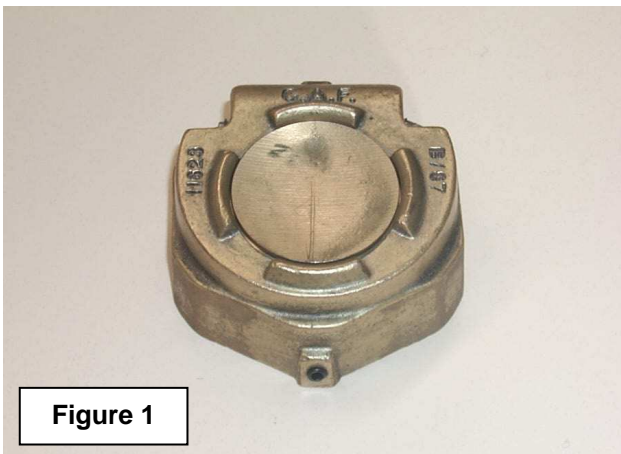


ADDRESSEES	: All
COACH/BUS MODEL	: Units equipped with fuel filler cap VH 10571937
BULLETIN TYPE	: Service Information
SYSTEM	: Fuel system
DATE	: 2007-10-03
SUBJECT	: Fuel filler cap - alternative sealing methods
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

Transit buses and coaches equipped with fuel tank(s) featuring a filler cap with self-closing filler valve (part # VH 10571937 - Figure 1).

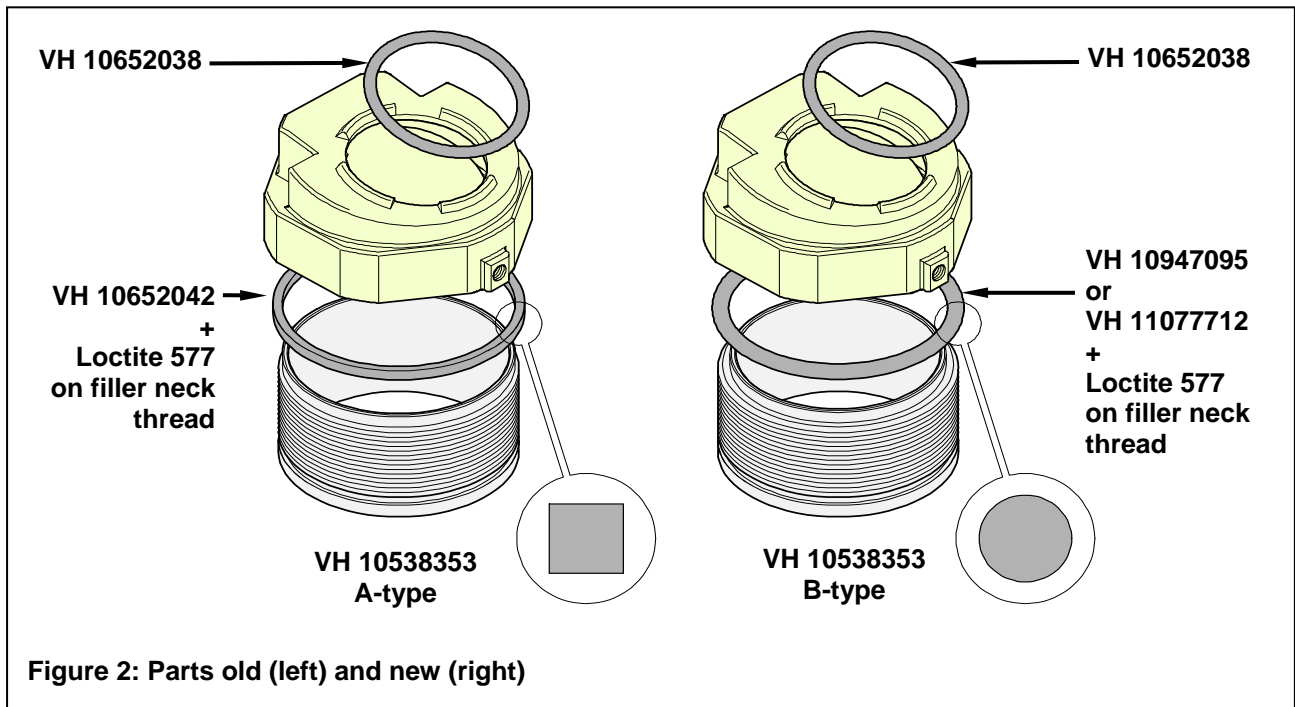


DESCRIPTION:

1. Fuel filler cap VH 10571937 screws onto the threaded filler neck of the fuel tank and is secured by a setscrew.
To prevent fuel leakage, two rubber seals are installed, one that fits between the cap and the self-closing valve and one that fits between the cap and the filler neck.
2. Experience has shown that in some cases leakage between the cap and the filler neck may still occur. Two causes have been determined:
 - Technicians screwing the cap anticlockwise in an effort to position it upright.
By doing so, pressure is reduced on the seal that sits between the cap and the filler neck, and fuel is allowed to spill.
 - Manufacturing tolerances of the fuel filler cap.

3. To address these issues in production, the fuel filler cap installation has been revised.
 - The filler neck is now provided with a 5 mm smaller diameter collar, and a 70 x 5 mm O-ring (Figure 2, part # VH 10947095) replaces the old square seal in the cap (Figure 2, part # VH 10652042). This permits positioning of the cap while keeping the seal tight.
 - To deal with filler cap manufacturing tolerances, an alternative O-ring has been made available which is 1 mm thicker (70 x 6 mm, Figure 2, part # VH 11077712).
4. For field purposes the procedure in this Bulletin offers a solution should leakage occur between the cap and the filler neck.

PARTS AND PRODUCTS:



Old parts

VH reference	Description	Qty.
VH 10571937	Cap, fuel filler cap, includes seals VH 10652038 and VH 10652042, fits filler neck VH 10538353 A-type (collar size: 77.5 mm diameter)	1
VH 10652038	Seal, self closing filler valve, replacement	1
VH 10652042	Seal, cap to filler neck, replacement	1
VH 10539468	Cleaner, Loctite Super Clean 7063	#
VH 660864933	Pipe sealant, Loctite 577	#

New parts

VH reference	Description	Qty.
VH 31050711	Cap, fuel filler cap, includes seals VH 10652038 and VH 10947095, fits filler neck VH 10538353 B-type (collar size: 72 mm diameter)	1
VH 10652038	Seal, self closing filler valve, replacement	1
VH 10947095	O-ring, cap to filler neck, replacement, 70 x 5 mm	1
VH 11077712	O-ring, cap to filler neck, replacement, 70 x 6 mm	1

Repair

To address fuel leakage, following parts and products are required:

VH reference	Description	Qty.
VH 10652042	Seal, cap to filler neck, replacement	1
VH 10947095	O-ring, cap to filler neck, replacement, 70 x 5 mm	1
VH 11077712	O-ring, cap to filler neck, replacement, 70 x 6 mm	1
VH 10539468	Cleaner, Loctite Super Clean 7063	#
VH 660864933	Pipe sealant, Loctite 577	#

- Both old and new seals will be offered as service replacements.
- Parts and products may be purchased through regular channels.
- Parts and products disposal: discard according to applicable environmental regulations.

PROCEDURE: To address leakage between fuel filler cap and filler neck

1. General:

- This job should be executed by an experienced automotive technician.
- For more information refer to the Maintenance Manual, the Spare Parts Manual, and the Operating Manual.

2. Special tools, equipment or services:

- No special tools, equipment or services are required.

3. Preparations:

- Park the transit bus/coach on a level surface with the front wheels straight. Apply the parking brake and shut down the engine.
- Switch off all systems and turn off the battery master switch.
- Put a "DO NOT OPERATE" tag on the instrument panel.
- Read the entire procedure before beginning to work.

4. Fuel filler cap VH 10571937 removal and reinstallation:

On all units:

- 1) If installed, open the fuel filler flap.
- 2) Undo and remove the set screw securing the filler cap to the neck.
- 3) Take note of the filler cap orientation. Unscrew and remove the cap.
- 4) Remove the rubber seal that has been fitted between the filler neck and the cap. Discard the seal.
- 5) Clean the filler neck and cap threads with Loctite Super Clean 7063.

On units with old style filler neck:

- 1) Apply pipe sealant Loctite 577 sparingly on the filler neck thread
- 2) Reinstall the filler cap in reverse order to removal, using a new replacement seal VH 10652042.
Run-up the cap until it is tight on the seal.
Make sure the cap points straight up as shown in Figure 1.
If it requires adjustment, turn the cap further clockwise until the correct position has been achieved.
- 3) Secure the cap by tightening the setscrew hand tight.
- 4) Allow sealant to cure.
- 5) Close the fuel filler flap.

On units with new style filler neck:

- 1) Reinstall the filler cap for a trial fit, using a new O-ring seal VH 10947095 for a start.
- 2) Run-up the cap until it is tight on the seal.
Continue tightening until the cap points straight up as shown in Figure 1.
If the cap is a tight fit, unscrew it again and proceed with step 3.
If the cap can be fitted by hand until it bottoms out on the filler neck, unscrew the cap again and replace O-ring seal VH 10947095 by seal VH 11077712.
- 3) Apply pipe sealant Loctite 577 sparingly on the filler neck thread.
- 4) Run-up the cap until it is tight on the seal.
Continue tightening until the cap points straight up as shown in Figure 1.
If it requires adjustment, turn the cap further clockwise until the correct position has been achieved.
Secure the cap by tightening the setscrew hand tight.
It may be necessary to use an adjustable wrench.
- 5) Secure the cap by tightening the setscrew hand tight.
- 6) Allow pipe sealant to cure.
- 7) Close the fuel filler flap.

Procedure complete.

DISCLAIMER:

The procedures contained herein are not exclusive. Van Hool cannot possibly know, evaluate, or advise the transportation industry of all conceivable ways in which a procedure may be undertaken or of the possible consequences of each such procedure. Other procedures may be as good, or better, depending upon the particular circumstances involved.

Each carrier who uses the procedures herein must first satisfy itself thoroughly that neither the safety of its employees or agents, nor the safety or usefulness of any products, will be jeopardized by any procedure selected.

SERVICE INFORMATION:

Service Bulletins are issued to supplement or supersede information in the Van Hool manuals. Note Service Bulletin number, date and subject on the register at the end of the relevant chapter(s). File Service Bulletin separately for future reference.

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